

Bill of Materials						
Deliverables	Component	Part number	Part Description	Vendor	Qty	Units
6 Modules	Thermoelctric Generator(TEG)	TGPR-22W-7V-56S	Tegpro High Temperature TEG Power Module - 22Watt 7 volt 56 mm	Tegmart.com	24	
	Heat Sinks	3-505024G	5x5x2.5 flared pin fin	coolinnovations.com	6	
	Steel for bracket		6x6x3/16 plates	Facilities	6	
	Graphit Sheets	P14965-ND	PGS SHEET 115X180MM W/POLYESTER	digikey.com	10	
Module	Nuts	91841A005	18-8 Stainless hex nut	mcmaster.com	1	100
	Lock washer	95584A200	18 -8 Stainless Steel #4	mcmaster.com	1	100
	Screws	91251A115	4-40 1" Steel cap screws	mcmaster.com	2	100
Fan	Fan	RP7075	Panaflo Case Cooling Fan, 12Vdc, High	www.skycraftsurplus.com	6	
Radio Charger	Battery Charger		EV-Peak R1 200W 20Amp Touch Screen NiMH / LiPO Battery Balance Charger	getfpv.com	1	
	Barrel Jack	CP3-1000-ND	CONN PWR PLUG 2.1X5.5MM SOLDER	digikey.com	10	
	8 AWG 3 conductor cable			mcmaster.com	60	feet

Transmission of Electricity	12 circuit terminal block	7527K33	16-6 AWG wire, 12 circuit terminal block	mcmaster.com	1	
	20 circuit terminal block	7527K41	22- 12 AWG wire, 20 circuit terminal block	mcmaster.com	1	
	Voltage Regulator	HVI-FN-12	TEG Power Thermoelectric Generator Fan Drive Module	Tegmart.com	1	

Price	Cost
\$57.50	\$1,380.00
\$40.00	\$240.00
	\$0.00
\$10.68	\$106.80
\$2.61	\$2.61
\$2.03	\$2.03
\$5.40	\$10.80
\$9.95	\$59.70
\$69.99	\$69.99
\$0.91	\$9.10
\$2.51	\$150.60

\$24.50	\$24.50
\$7.67	\$7.67
\$13.99	\$13.99
Total	\$2,077.79